

B. AMENDMENTS TO THE CLAIMS

Claims 1-3 have been cancelled without prejudice.

4. (Twice amended) A method for treating a patient in need of megakaryocytes, comprising administering to the patient isolated and ~~purified~~ enriched human mesenchymal stem cells in an amount effective to produce megakaryocytes, wherein said mesenchymal stem cells are allogeneic or autologous to said patient.

5. (Twice amended) A method for treating a patient in need of megakaryocytes comprising administering to the patient isolated and ~~purified~~ enriched human mesenchymal stem cells and CD34+ cells in an amount effective to produce megakaryocytes, wherein said mesenchymal stem cells are allogeneic or autologous to said patient.